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L7: Entry 6 of 6 File: DWPI Dec 8, 1998

DERWENT-ACC-NO: 1999-090044
DERWENT-WEEK: 199908

TITLE: Flower bud formation inducer - comprises alpha ketol fatty acid

PRIORITY-DATA: 1997JP-0088899 (March 24, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 10324602 A	December 8, 1998		014	A01N037/42

INT-CL (IPC): A01 N 37/42; A01 N 33:10; A01 N 37/42

ABSTRACTED-PUB-NO: JP10324602A
BASIC-ABSTRACT:

A flower bud formation inducer comprises and alpha -ketol fatty acid of formula (I).

ADVANTAGE - The composition acts directly on plants to induce bud formation.

L10: Entry 1 of 6 File: DWPI Oct 26, 1993

DERWENT-ACC-NO: 1993-374528
DERWENT-WEEK: 199347

TITLE: Antitumour agent - includes ketol-type unsatd. fatty acid obtd. by reacting unsatd. fatty acid with lipoxygenase and hydroperoxide-isomera se

PRIORITY-DATA: 1991JP-0130494 (May 2, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05279252 A	October 26, 1993		008	A61K031/20

INT-CL (IPC): A61K 31/20; A61K 35/78; C12P 7/42; C12P 7/64

ABSTRACTED-PUB-NO: JP05279252A
BASIC-ABSTRACT:

New anti-tumour agent comprises as effective substance ketol type unsatd. fatty acid. Also claimed are the anti-tumour agent obtd. by reacting unsatd. fatty acid with lipoxygenase and hydroperoxide-isomera se; and the anti-tumour agent obtd. by reacting linoleic acid, alpha-, gamma-linolenic acid, arachidonic acid, eicosapentaenoic acid or decosahexaenoic acid with lipoxygenase and hydroperoxide-isomerase.

A typical ketol type unsatd. fatty acid is C12-24 straight chain fatty acid which has one ketone base and hydroxy base, and 1-3 unsatd. bond(s). Examples of hyperoxide-isomerase are those obtd. from corn and wheat. Examples of lipoxygenase are those obtd. from corn, wheat and soy bean. Examples, of ketol type unsatd. fatty acid are 13-hydroxy-10-oxo-trans-11-cis-15-octadecadienoic acid, 9-hydroxy-10-oxo-cis-12,15-octadecadienoic acid, 9-hydroxy-12-oxo trans-10-cis-15-octadecadienoic acid and 13-hydroxy-12-oxo-cis-9,15-octade cadienoic acid.

USE/ADVANTAGE - The agent is less toxic than the previous ones, and has high anti-tumour activity against various kinds of cancers. It shows stronger activity than ordinary fatty acid.

Set Name side by side	Query	Hit Count	Set Name result set
DB=DWPI; PLUR=YES; OP=ADJ			
L11	l6 and L10	1	L11
L10	l8 and l9	6	L10
L9	$5decadienoic	87	L9
L8	oxo	21653	L8
L7	l5 and L6	6	L7
L6	plant or crop	241618	L6
L5	l3 and L4	10	L5
L4	ketol	81	L4
L3	fatty acid	56785	L3
L2	fatty acid	56785	L2
L1	ketol	81	L1

END OF SEARCH HISTORY